

(12) PATENT APPLICATION  
(19) AUSTRALIAN PATENT OFFICE

(11) Application No. AU 200195225 A1

(54) Title  
Control of gene expression

(51)<sup>7</sup> International Patent Classification(s)  
C12N 015/11

(21) Application No: 200195225

(22) Application Date: 2001.11.30

(43) Publication Date : 2002.01.31

(43) Publication Journal Date : 2002.01.31

(62) Divisional of:  
199929163

(71) Applicant(s)  
Benitec Australia Ltd; State of Queensland through Its Department of Primary  
Industries

(72) Inventor(s)  
Michael Wayne Graham; Robert Norman Rice

(74) Agent/Attorney  
FREEHILLS CARTER SMITH BEADLE,Level 43,101 Collins Street,MELBOURNE  
VIC 3000

## ABSTRACT

The present invention relates generally to a method of modifying gene expression and to synthetic genes for modifying endogenous gene expression in a cell, tissue or organ of a transgenic organism, in particular a transgenic plant. More particularly, 5 the present invention utilises recombinant DNA technology to post-transcriptionally modify or modulate the expression of a target gene in a cell, tissue, organ or whole organism, thereby producing novel phenotypes. Novel synthetic genes and genetic constructs which are capable of repressing delaying or otherwise reducing the expression of an endogenous gene or a target gene in an organism when 10 introduced thereto are also provided.